### FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 1 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552 20/643, 465

Art Unit: Unassigned 1645

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

#### U.S. PATENT DOCUMENTS

Exam.l nit.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
5D	A1	4,356,170	10-26-1982	Jennings et al.	424	88	
	A2	4,727,136	February 23, 1988	Jennings et al.	530	395	
	А3	4,970,070	November 13, 1990	Raff, H.V.	424	14201	
	A4	5,576,002	November 19, 1996	Jennings et al.	424	197.11	
	A5	5,683,699	11-04-1997	5,683,699	424	197:11	
	A6	5,811,102	09-22-1998	Jennings et al.	424	197.11	
	A7	5,902,586	05-11-1999	Jennings et al.	424	178.1	
	A8	5,969,130	10-19-1999	Jennings et al.	536	29.1	
	А9	6,030,619	Feb. 29, 2000	Granoff et al.	424	185.1	
	A10	6,048,527	04-11-2000	Granoff et al.	424	150.1	
53	A11	10/121,456	Not published	Granoff et al.			

Examiner:

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Date Considered: Decem. 04

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the

# FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 2 of 15

In the Application of GRANOFF et al.

Art Unit: Unassigned 1645

Serial No.: DIV of 09/910,552 10/643, 465 Filed: Even Date Herewith

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

#### FOREIGN PATENT DOCUMENTS

Exa Init	am.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Trans YES	lation NO
(	D 1	B1	WO 90/06696	June 28, 1990	PCT		v		
		82	WO 91/08772	June 27, 1991	PCT				
		83	WO 96/14086	May 17, 1996	PCT				
		B4	WO98/08543	05 March 1998	РСТ	-			
1 5	7	B5	0 1 45 359 A2	June 19, 1985	EPO				

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Date Considered: Decem. 04

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### FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet \_3 of \_15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552

Art Unit: Unassigned

1645

Filed: Even Date Herewith

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

SD	В6	O 504 202 B1	September 23, 1992	EPO	

### OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
5D	C1	Ashton et al., Microb. Patheogeneis 6:455-458 (1989)
	C2	Ashton et al., In: Neisseria 1990, Achtman M. (Ed.), Walter De Gruyter & Co. Berlin pp.187-191 (1991)
5)	C3	Bartoloni et al., <i>Vaccine</i> <u>13</u> (5):463-470 (1995)

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EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 4 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552

Art Unit. Unassigned

1645

Filed: Even Date Herewith

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam. Init.	Ref. Desig.	Description
SP	·C4	Baumann et al., <i>Biochemistry</i> <u>32</u> :4007-4013 (1993)
	C5 ·	Bitter-Suermann et al., Immunol. Res. pp. 225-237 (1987)
	C6	Bowie et al., <i>Science</i> 247:1306-1310, 1990
	C7	Brisson et al., "Helical Epitope of the Group B Meningococcal α(2-8)-Linked Sialic Acid Polysaccharide," <i>Biochemistry</i> 31:4996-5004 (1992)
5)	C8	Burgess et al., <i>J. Cell Biol.</i> 111:2129-2138, 1990

Examiner:

Date Considered:

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EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 5 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552

Art Unit: Unassigned 1645

Filed: Even Date Herewith

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam. Init.	Ref. Desig.	Description
5D	C9	Cross et al., J. Infect. Dis. 147(1):68-76 (1983)
	C10	Devi et al., FEMS Immunol. Med. Microbiol. 14:211-220 (1996)
	C11	Devi et al., In:Neisseria:Proc. Ninth Internet. Pathogenic Neisseria Conference FEMS Immunolog. Med. Microbiol. Evans et al. (Ed.), S.C.C., England pp.427-429 (1994)
57	C12	Dubois et al., "A Monoclonal Antibody Against <i>Meningococcus</i> Group B Polysaccharides Used to Immunocapture and Quantify Polysialylated NCAM in Tissues and Biological Fluids," <i>Journal of Immunological Methods</i> 181:125-135 (1995)

Examiner:

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Date Considered:

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EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 6 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552

Art Unit: Unassigned 1645

Filed: Even Date Herewith Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam.	lnit.	Ref. Desig.	Description
ST	>	C13	Frasch, Carl E., "Meningococcal Vaccines: Past, Present and Future," Meningococcal Disease 245-283 (1995)
	*	C14	Frosch et al., <i>PNAS</i> <u>82</u> :1194-1198 (1985)
		C15	Fusco et al., "Preclinical Evaluation of a Novel Group B Meningococcal Conjugate Vaccine that Elicits Bactericidal Activity in Both Mice and Nonhuman Primates," <i>The Journal of Infectious Disease</i> 175:364-372 (1997)
5	t D	C16	Granoff et al., <i>J. Immunology</i> <u>160</u> :5028-5036 (1998)

Examiner:

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EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the

### FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 7 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552 10/643, 465 Filed: Even Date Herewith

Art Unit: Unassigned

1645

**Examiner: Unassigned** 

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam. Init.	Ref. Desig.	Description
SD	C17	Granoff et al., "Antibody Responses to the Capsular Polysaccharide of Neisseria Menignitidis Serogroup B in Patients With Meningococcal Disease," Clinical and Diagnostic Laboratory Immunology 2(5):574-582 (1995)
	C18	Gregson et al., Biochem. Soc. Transact. 13:p.462 (1985)
	C19	Hayrinen et al., "Antibodies to Polysialic Acid and its N-Propyl Derivative: Binding Properties and Interaction with Human Embryonal Brain Glycopeptides," <i>The Journal Of Infectious Diseases</i> 171:0001-0010 (1995)
57	C20	Horwell, David C., "The 'Peptoid' Approach to the Design of Non-Peptide, Small Molecule Agonist and Antagonists of Neuropeptides," <i>TIBTech</i> 13(4):132-134 (1995)

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Date Considered:

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EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the

# FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet <u>8</u> of <u>15</u>

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552 Filed: Even Date Herewith Art Unit: Unassigned 1645

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam	. Init.	Ref. Desig.	Description
5	,D	C21	Hurpin et al., <i>Hybridoma</i> <u>11</u> (6):677-687 (1992)
		C22	Husmann et al., <i>J. Histochem. Cytochem.</i> 38:209-215 (1990)
		C23	Jennings, Harold J., "The Capsular Polysaccharide of Group B Neisseria Meningitidis as a Vehicle for Vaccine Development," Microbiol. Immunol. 10:151-165 (1989)
5	ノ D	C24	Jennings et al., "Induction of <i>Meningococcal</i> Group B Polysaccharide-Specific IgG Antibodies in Mice by Using an <i>N</i> -Propionylated B Polysaccharide-Tetanus Toxoid Conjugate Vaccine," <i>The J. Of Immunology</i> 137(5):1708-1713 (1986)

Examiner:

Date Considered:

Decem. 04

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the

### FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 9 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552

Art Unit: Unassigned

Filed: Even Date Herewith

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam.	Init.	Ref. Desig.	Description .
4	D	C25	Jennings et al., "N-Polysialic Group B Meningococcal Polysaccharide Mimic a Unique Epitope on Group B Neisseria Meningitidis," J. Experimental Medicine 165:1207-1211 (1987)
		C26	Jennings et al., "Unique Intermolecular Bactericidal Epitope Involving the Homosialopolysaccharide Capsule on the Cell Surface of Group B Neisseria Meningitidis and Escherichia Coli K1," Journal of Immunology 142(10):3585-3591 (1989)
Č	シア	C27 <sub>,</sub>	Jennings et al., "Immunochemistry of Groups A,B, and C Meningococcal Polysaccharide-Tetanus Toxoid Conjugates," <i>The Journal of Immunology</i> 127(3):1011-1018 (1981)

Examiner:

Date Considered:

Decem. 04

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the

## FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 10 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552

Art Unit: Unassigned 1645

Examiner: Unassigned

Filed: Even Date Herewith

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam. in	t. Ref. Desig.	Description  Kabat et al., <i>J. Exp. Med.</i> <u>164</u> :642-654 (1986)
Si	) C28	
$\top$	C29	Klebert et al., <i>Biol. Chem. Hoppe Seyler</i> <u>374</u> :993-1000 (1993)
	C30	Lazar et al., <i>Mol. Cellular Biol.</i> 8:1247-1252, 1988
	C31	Leinonen et al., <i>Infect. Immun.</i> 38(3):1203-1207 (1982)
\$P	C32	Lifely et al., Immunology 74:490-496 (1991)

Examiner:

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Date Considered:

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> FORM PTO-1449 (Modified)
> LIST OF PATENTS AND PUBLICATIONS
> FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet <u>11</u> of <u>15</u>

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552 10/643,465 Filed: Even Date Herewith

Art Unit: Unassigned 1645

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam. Init.		Ref. Desig.	Description  Livingston et al., <i>J. Biol. Chem.</i> 263:9443-9448 (1988)
		C35	Lucas et al., "Functional Differences in Idiotypically Defined IgG1 Anti-Polysaccharide Antibodies Elicited by Vaccination with <i>Haemophilus Influenzae</i> Type 8 Polysaccharide-Protein Conjugates," <i>The Journal of Immunology</i> 154:4195-4202 (1995)
	V V	C36	Mandrell et al., "Complement-Mediated Bactericidal Activity of Human Antibodies in Poly W α2-8 N-Acetylneuraminic Acid, the Capsular Polysaccharide of Neisseria Meningitidis Serogroup B," The Journal of Infectious Diseases 172:1279-1289 (1995)

Examiner:

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Date Considered:

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### FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 12 of 15

In the Application of GRANOFF et al.

1645 Art Unit: Unassigned

Filed: Even Date Herewith

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam.	lnit.	Ref. Desig.	Description
57		C37	Michon et al., "Conformational Differences Between Linear α(2-8)-Linked Homosialooligosaccharides and the Epitope of the Group B Meningococcal Polysaccharide," <i>Biochemistry</i> 26:8399-8405 (1987)
		C38	Moreno et al., <i>J. Gen. Microbiol.</i> 129:2451-2456 (1983)
		C39	PIZZA et al., "Identification of vaccine candidates against serogroup B Meningococcus by whole-genome sequencing," Science 287:1816-1820 (2000)
5)	/	C40	Pon et al., J. Exp. Med. <u>185</u> :1929-1938 (1997)

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Date Considered: Decem. 04

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### FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 13 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552 10/643,465 Filed: Even Date Herewith

Art Unit: Unassigned

1645

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam. Init.	Ref. Desig.	Description
SD	C41	Poolman, Jan T., "Development of a Meningococcal Vaccine," Infectious Agents and Disease 4:13-28 (1995)
	C42	Raff et al., J. Infect. Dis. 157(1):118-126 (1988)
	C43	Rougon et al., <i>J. Cell. Biol.</i> <u>103</u> :2429-2437 (1986)
	C44	Sato et al., <i>J. Biol. Chem.</i> <u>270</u> :18923-18928 (1995)
47	C45	Sukkonen et al., Microbial. Pathogenesis 1:101-105 (1986)

Examiner:

Date Considered:

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## FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Sheet 14 of 15

In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552

Art Unit: Unassigned 7645

Filed: Even Date Herewith Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam. Init.	Ref. Desig.	Description
SD.	C46	TETTELIN et al., "Complete genome sequence of Neisseria meningitidis serogroup B strain MC58," Science 287:1809-1815 (2000)
	C47	Tome et al., Acta Pathol. Jpn. 43:168-175 (1993)
	C48	Vaesen et al., Biol. Chem. Hoppe. Seyler 372:451-453 (1993)
50	C49	Westerink et al., "Development and Characterization of an Anti-Idiotype Antibody to the Capsular Polysaccharide of <i>Neisseria Mengingitidis</i> Serogroup C," <i>Infection and Immunity</i> 56(5):1120-1127 (1988)

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In the Application of GRANOFF et al.

Serial No.: DIV of 09/910,552 10/643,465 Art Unit: Unassigned 1645

Filed: Even Date Herewith

Examiner: Unassigned

Title: MOLECULAR MIMETICS OF UNIQUE NEISSERIA MENINGITIDIS SEROGROUP B EPITOPES

Exam. Init.	Ref. Desig.	Description
SD	C50	DataBase WPI., "Novel Strain of <i>Neisseria Meningitidis</i> Group Useful Produce Capsule Polysaccharide Protein Complex," January 30, 1992

Examiner:

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Date Considered:

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EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the